

Message

From: Praskins, Wayne [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=4F47BC0A2C2E42A98347D59CD1A98B19-WPRASKIN]
Sent: 5/5/2021 12:36:22 AM
To: Chesnutt, John [Chesnutt.John@epa.gov]; Sanchez, Yolanda [Sanchez.Yolanda@epa.gov]
Subject: RE: HPNS Navy 4/22 RESRAD BUILD submittal

John/Yolanda –

Dave Hays is still working on evaluating the Navy RESRAD BUILD submittal. He is not convinced the Navy properly applied their dose/risk conversion factors and we're still working on evaluating their proposed alternative ingestion rate (higher than in the Navy's 2019 RESRAD simulations but lower than the BPRG/Exposure Factors Handbook values).

Dave is trying his best to complete his evaluation to give us what we need to respond to the Navy's proposal. He has been slowed down by a 3 ½ day mandatory training this week.

I talked with Dave at length this afternoon then gave Derek a brief update. I plan to talk to Dave again Thursday afternoon and then Dave and I will talk with the Navy Friday morning. I'll keep you posted.

Wayne Praskins | Superfund Project Manager
U.S. Environmental Protection Agency Region 9
75 Hawthorne St. (SFD-7-3)
San Francisco, CA 94105
415-972-3181

From: Praskins, Wayne
Sent: Tuesday, April 27, 2021 2:37 PM
To: Chesnutt, John <Chesnutt.John@epa.gov>; Sanchez, Yolanda <Sanchez.Yolanda@epa.gov>
Subject: HPNS Navy 4/22 RESRAD BUILD submittal

John/Yolanda –

I talked this morning with Dave Hays of the Corps about the Navy's RESRAD BUILD submittal. Dave agrees that the Navy submittal is a positive step in that it attempted to address the four concerns we have expressed with the Navy's 2019 RESRAD BUILD submittal.

We have identified two issues with the submittal that Dave is going to look into further. One is how their revised methodology converts dose estimates to risk estimates. The other is their rationale for their revised ingestion rate.

It will probably take a week or so until we have a clear understanding of the Navy proposal and are in position to respond. Dave and I have a call scheduled with Derek and RASO Thursday morning, then are tentatively planning a followup call on 5/6 (Dave is in training next Monday -Thursday AM).

Wayne Praskins | Superfund Project Manager
U.S. Environmental Protection Agency Region 9
75 Hawthorne St. (SFD-7-3)
San Francisco, CA 94105
415-972-3181

From: Praskins, Wayne
Sent: Thursday, April 22, 2021 3:16 PM
To: Chesnutt, John <Chesnutt.John@epa.gov>; Sanchez, Yolanda <Sanchez.Yolanda@epa.gov>
Subject: FW: HPNS BUILD Direct Ingestion Results

Just in from the Navy. They have rerun RESRAD BUILD with the modified inputs/assumptions to respond to the four issues we've raised: i) model direct rather than indirect ingestion, ii) modify the ingestion rate, iii) expand source to floor and lower walls, and iv) provide defensible risk estimates (the slope factor issue).

At first glance, it looks like a good effort. They appear to understand and have tried to respond to our four issues. I'm going to need input from our health physicists to fully understand what they've done, particularly on issue ii. It appears they have increased the ingestion rate compared to their earlier RESRAD BUILD runs but the rate is still much lower than the default BPRG rate. They say their rate is the value that depletes the entire source term during the 26 year exposure period (i.e., a higher rate doesn't make sense).

I forwarded their spreadsheet to Dave Hays and hope to get his input Monday or Tuesday.

Wayne Praskins | Superfund Project Manager
U.S. Environmental Protection Agency Region 9
75 Hawthorne St. (SFD-7-3)
San Francisco, CA 94105
415-972-3181

From: Robinson, Derek J CIV USN NAVFAC SW SAN CA (USA) <derek.j.robinson1@navy.mil>
Sent: Thursday, April 22, 2021 2:04 PM
To: Praskins, Wayne <Praskins.Wayne@epa.gov>
Subject: HPNS BUILD Direct Ingestion Results

Hi Wayne,

As discussed, attached is a file with RESRAD inputs and results.

Before we send you all of the RESRAD output files, we wanted to walk you through this and make sure that changes are not needed.

I will schedule a meeting for Tuesday next week. Please let me know your availability and/or if another day works better.

Best Regards,

Derek J. Robinson, PE
Environmental Program Manager
BRAC Environmental Coordinator
Navy BRAC PMO West
33000 Nixie Way; Bldg 50
San Diego CA 92147
Desk Phone: 619-524-6026